

KOLESNIKOV, B.P.

MEYSHTADT, M. I.

"The Korean pine in the Soviet Far East." B.P. Kolesnikov. Reviewed  
by M. I. Meyshtadt. Bot. zhur. 40 no. 4: 606-608 J1-Ag'55. (MLRA 8:11)

1. Institut geografii Akademii nauk SSSR, Moscow  
(Soviet Far East--Pine) (Kolesnikov, B.P.)

KOLESHIKOV, B.P.

Tannin-containing plants of the southern Soviet Far East. Trudy  
Dal'nevost.fil.AN SSSR.Ser.bot. vol.3:80-92 '56. (MLRA 9:8)  
(Soviet Far East--Tannins) (Soviet Far East--Botany, Economic)

KOLESNIKOV, B.P.; SOCHAVA, V.B., professor otvetstvennyy redaktor.; VIKHREYEV, S.D.,  
redaktor izdatel'stva.; YAKOVLEVA, V.M., redaktor izdatel'stva.; BLEIKH,  
Ye.Yu., tekhnicheskiy redaktor.

[Cedar forests of the Far East.] Kedrovye lesa Dal'nego Vostoka. Moskva,  
Izd-vo Akademii nauk SSSR, 1956. 261 p. (Akademiya nauk SSSR. Dal'nevostochnyy filial imeni V. L. Komarova. Seriya botanicheskaya. Trudy, vol. II (IV) )  
(Soviet Far East--Cedar) (MIRA 9:11)

KOLESNIKOV, B.P.

22(1)

P. 2

PHASE I BOOK EXPLOITATION

SOV/3138

Akademiya nauk SSSR. Dal'nevostochnyy filial imeni V.I. Komarova

Nauka na Dal'nem Vostoke (Science in the Far East) Vladivostok, 1957. 111 p.  
1,000 copies printed.

Editorial Committee: Ye.A. Boon, V.T. Bykov (Resp. Ed.), D.V. Girnik,  
A.V. Stotsenko (Deputy Resp. Ed.), Z.G. Onisimova, A.A. Tsvid,  
P.D. Yaroshenko; Tech. Ed.: L. Kalashnikov

PURPOSE: This collection of articles is intended for the general reader interested in the status of scientific studies and research in the Soviet Far East.

COVERAGE: These articles review scientific achievements which have contributed to the economic development of the Soviet Far East. The creation of the first university in the Far East and of the Far East Branch of the Academy of Science is discussed. Studies in the history, geology, geophysics, chemistry, biology, and economics of the region are discussed and a great number of scientists and their contributions mentioned. Stress is laid on the progress of the geological survey carried out in the southern part of the Far East and the consequent

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Science in the Far East

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discovery of coal, silver, lead, gold and petroleum. In addition to studies of the subsurface wealth, works on the vegetation and forest are also presented. Numerous references are incorporated in the text.

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Science in the Far East

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Belikov, I.F., and V.A. Tyrina. From the History of the Study of the Biochemistry and Physiology of Plants Growing in the Primorskiy Kray

71

Kurentsov, A.I. Results of Zoological Studies in the Far East During the Last Forty Years

79

Tonashevskiy, V.V. Historical Sciences in the Soviet Far East

89

AVAILABLE: Library of Congress (Q180.R9A55)

Card 3/3

TM/gmp  
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USSR/Forestry - Forest Economy.

K.

Abs Jour : Ref Zhur \* Biol., No 15, 1958, 68024

Author : Kolesnikov, B.P., Krylov, G.V.

Inst : Western Siberian Branch of the Academy of Science USSR

Title : Ways of Developing the Forest Economy of Tyumenskaya Oblast'.

Orig Pub : Tr. po lesn. kh-vu Zap. Sibiri, Zap.-Sib. fil. AN SSSR, 1957, No 3, 49-60.

Abstract : No abstract.

Card 1/1

KOLESNIKOV, B.P., doktor biolog.nauk, otv.red.; RIKHTER, G.D., prof.,  
doktor geograf.nauk, otv. red.; NIKOL'SKAYA, V.V., kand.geograf.  
nauk; KAVUN, P.K., red.izd-va; MAKUNI, Ye.V., tekhn.red.

[Physical geography of the southern Far East; Khanka Plain and  
adjoining areas of the Maritime Territory] Materialy po fizi-  
cheskoi geografii iuga Dal'nego Vostoka; Prikhankaiskaya ravnina  
i prilagatushchie k nei raiony Primorskogo kraia. Moskva, 1958.  
299 p.  
(MIRA 12:1)

1. Akademiya nauk SSSR. Dal'nevostochnyy filial, Vladivostok.  
Institut geografii.

(Maritime Territory--Physical geography)



REF : 10000  
CATEGORY : Forestry. Forest Biology and Typology.  
ABS. JOUR : Ref Zhur -Biologiya, No. 5, 1959, No. 20118  
AUTHOR : Kolesnikov, B.P.  
INST. : Siberian Department of the Acad. of Sciences USSR  
TITLE : The Status of Soviet Forest Typology and the  
Problem of Genetic Classification of Forest  
Types.  
ORIG. PUB.: Izv. Sibirsk. otd. AN SSSR, 1958, No. 2, 109-  
112  
ABSTRACT : The stages in the development of Soviet forest  
typology are examined and the common factors  
and differences between the two basic trends  
in forest typology, that of forest cultivation  
and biogeocoenology, are put to critical  
analysis. The lack of unanimous opinion on the  
question of the nature of the interrelations  
between environment and vegetation, the answer  
to which has been clearly formulated even by  
G.F. Morozov, has been strongly reflected on

CARD:

1/4

COUNTRY :  
CATEGORY :

ABS. JOUR.: Ref Zhur -Biologiya, No. 5, 1959, No. 20118

Author :  
INST. :  
TITLE :

ORIG. PUB.:

ABSTRACT : the progress of forest typology. An organic disunity has been discerned in the development of forest typology (the study of the types of stands and species changes), as well as in the embryonic state of the study of forest geography whose foundations were laid by Morozov. Attention is focussed on forest typology's incomplete utilization of the genetic principle and the exclusively naturalistic character of contemporary classifications

CARD : 2/4

CATEGORY :

ABS. JOUR : Ref Zhur -Biologiya, No. 5 , 1959, No.20118

AUTHOR :

INST. :

TITLE :

ORIG. PUB.:

ABSTRACT : of forest types based on diagnostic characteristics, among a number of most readily accountable and generalizable, although not leading features. It is maintained that all natural typological classifications are regional, inapplicable to extensive territories, and attention is paid to the necessity of reworking genetic classification region by region, the fundamental principles of which are noted for the data on far eastern forests by

CARD: 3/4

COUNTRY :  
CATEGORY :

ABS. JOUR.: Ref Zhur-Biologiya, No. 5, 1959, No. 20118

Author :  
INST. :  
TITLE :

ORIG. PUB.:

ABSTRACT : B.A. Ivashkevich. --L. V. Nesmelov

CARD : 4/4

**KOLESHNIKOV, B.P.**

Genetic classification of forest types and problems of forest typology  
in the eastern regions of the U.S.S.R. Izv. Sib. otd. AN SSSR no.4:  
113-124 '58. (MIPA 1129)

1.Ural'skiy filial AN SSSR.

(Forests and forestry)

KOLESHNIKOV, B.P.

New data on the biography of A.F.Budishchev. Soob.DVYAM SSSR  
no.9:123-127 '58. (HIRA 12:4)  
(Budishchev, Aleksandr Fedorovich)

KOLESNIKOV, B.P.

First Scientific Conference for the Protection of Nature in  
the Urals. Izv.AN SSSR.Ser.biol. no.3:470-472 My-Je '59.  
(MIRA 12:9)

(URAL MOUNTAIN REGION--NATURAL RESOURCES)

30(1)  
AUTHOR:

SOV/26-59-4-30/43

Kolesnikov, B.P., Professor, Chairman (Sverdlovsk)

TITLE:

Intensified Protection of Nature in the Urals (Usilit' okhranu prirody Urala)

PERIODICAL: Priroda, 1959, Nr 4, p 112 (USSR)

ABSTRACT:

In fall 1958, the first scientific conference on the protection of nature was held in the Il'men State Preserve imeni V.I. Lenin. About 100 representatives of scientific and public organizations of the Sverdlovsk, Chelyabinsk, Perm', Orenburg and Tyumen' Oblasts and the Bashkir and Komi ASSR participated in this conference convened on the initiative of the Komissiya po okhrane prirody Ural'skogo filiala Akademii nauk SSSR (Committee of Nature Protection of the Ural Branch of the USSR Academy of Sciences). Discussing problems on the protection of nature and the utilization of the Ural natural resources the meeting heard 12 reports: e.g. Professor B.P. Kolesnikov reported on the situation in general with spe-

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Intensified Protection of Nature in the Urals SOV/26-59-4-30/43

cial regard to forestry; L.K. Shaposhnikov outlined the activity of the above-mentioned Committee; Professor P.L. Gorchakovskiy (Sverdlovskoye otdeleniye Vsesoyuznogo botanicheskogo obshchestva - Sverdlovsk Department of the All-Union Botanical Society) dealt with the protection of relict flora and unical floral associations in the Urals; Professor G.A. Glumov (Permskiy sel'skokhozyaystvennyy institut - Perm' Institute of Agriculture) spoke about birch forests and their role in the forest-steppe and steppe zone of the Urals; Professor S.S. Shvarts and V.N. Pavlinin dealt with the protection of ground vertebrates in the Urals; representatives of the Gorno-geologicheskii institut UFAN (Geological Mining Institute UFAN) and the Sverdlovskiy gornyy institut (Sverdlovsk Mining Institute) devoted their paper to the protection of Ural geological resources; the topic of another report was the influence of radio-

Card 2/3

GORCHAKOVSKIY, P.L.; KOLESNIKOV, B.P.

"Vegetation of Sverdlovsk Province." Vol.1 by K.K.Poluiakhtov. Reviewed by P.L.Gorchakovskii, B.P.Kolesnikov. Bot.zhur. 44 no.12:1764-1769 D '59. (MIRA 13:4)

1. Institut biologii Ural'skogo filiala Akademii nauk SSSR, Sverdlovsk.

(Sverdlovsk Province--Plant communities)  
(Poluiakhtov, K.K.)

KOLESNIKOV, Boris Pavlovich.

"Natural Historical Division of Forest."

report to be submitted for the Fifth World Forestry Congress, Seattle, Washington,  
29-10 Sep 60

Head, Forestry Laboratory, Inst. of Biology, Ural Affiliate,  
Acad. of Sciences USSR, Sverdlovsk.

KOLESNIKOV, B.P., prof., doktor biologicheskikh nauk

State of and principal problems in the conservation of natural  
resources of the Urals. Okhr. prir. na Urale no. 1:5-15 '60.  
(MIRA 14:4)

(Ural Mountain region--Natural resources)

KOLESNIKOV, B.P.

Commission for the Conservation of Natural Resources at the Ural  
Branch of the Academy of Sciences of the U.S.S.R. (in 1958 and the  
first half of 1959). Okhr. priro. na Urale no.1:173-178 '60.

(MIRA 14:4)

1. Predsedatel' Komissii po okhrane prirody Ural'skogo filiala  
AN SSSR.

(Ural Mountain region—Natural resources)

KOLESNIKOV, B.P.

Principal results of the study of natural reproduction of forests  
in clearcuttings of Sverdlovsk Province. Trudy Inst.biol.UFAN SSSR  
no.14:3-21 '60. (MIRA 14:6)  
(Sverdlovsk Province—Forest reproduction)

KOLESHNIKOV, B.P.; SHALYGIN, B.N.; YAKOVLEV, G.S.

Technological aspects of logging operations and their sivicultural  
significance at the Skorodumsk logging Camp of the "Sverdles" Combine.  
Trudy Inst. biol. UFAN SSSR no.16:127-136 '60. (MIRA 13:10)

1. Institut biologii Ural'skogo filiala AN SSSR i Skorodumskiy  
lespromkhoz kombinata "Sverdles".  
(Sverdlovsk Province--Lumbering)

VITVITSKIY, G.N.; KRAVCHENKO, D.V.; NIKOL'SKAYA, V.V.; CHICHAGOV, V.P.;  
KURENTOV, A.I.; VOROB'YEV, D.P.; LIVEROVSKIY, Yu.A.; KARMANOV, I.N.;  
PETROV, B.F.; KOLESNIKOV, B.P.; KABANOV, N.Ye.; DMITRIYEVA, N.G.;  
RIKHTER, G.D., doktor geogr. nauk, otv. red.; LADYCHUK, L.P., red.  
izd-va; DOROKHINA, I.N., tekhn. red.

[The Far East; its physical geography] Dal'nii Vostok; fiziko-  
geograficheskaya kharakteristika. Moskva, 1961. 436 p.

(MIRA 14:9)

1. Akademiya nauk SSSR. Institut geografii. 2. Institut geografii  
AN SSSR (for Vitvitskiy, Kravchenko, Nikol'skaya, Chichagov). 3. Dal'-  
nevostochnyy filial AN SSSR (for Kurentsov, Vorob'yev). 4. Pochven-  
nyy institut AN SSSR (for Liverovski, Karmanov, Petrov). 5. Biologi-  
cheskiy institut Ural'skogo filiala AN SSSR (for Kolesnikov). 6. In-  
stitut lesa AN SSSR (for Kabanov). 7. Tsentral'nyy institut prognozov  
(for Dmitriyeva).

(Soviet Far East--Physical geography)



KOLESNIKOV, B.P.; LIVEROVSKIY, Yu.A.; NIKOL'SKAYA, V.V.

Natural landforms of prairies in the Soviet Far East and their origin.  
Izv. AN SSSR Ser. geog. no.1:13-24 Ja-F '61. (MIRA 14'2)

1. Biologicheskiy institut Ural'skogo filiala AN SSSR; Pochvennyy  
institut im. V.V.Dokuchayeva AN SSSR i Institut geografii AN SSSR.  
(Soviet Far East--Prairies)

PROKAYEV, V.I.; KOLESNIKOV, B.P.

Recent data on the distribution of some species and mixed forests with their participation in the south of the central Urals. Bot. zhur. 46 no.12:1814-1817 D '61. (MIRA 15:1)

1. Sverdlovskiy pedagogicheskiy institut i Komissiya po okhrane prirody Ural'skogo filiala AN SSSR.

(Ural Mountains—Forests and forestry)

SANNIKOV, S.N.; KOLESNIKOV, B.P., prof., doktor bil.. nauk, otv. red.;  
NORKIN, P.I., red. izd-va; TAMKOVA, N.F., tekhn. red.

[Natural regeneration of pine and measures for promoting it in  
pine forests of the Pyshma Valley] Estestvennoe vozobnovlenie  
sosny i mery sodeistviia emu v Pripyshminskikh borakh. Sverd-  
lovsk, Akad. nauk SSSR. Ural'skii filial, 1961. 76 p.  
(MIRA 15:9)

(Pyshma Valley--Forest reproduction)

KOLESNIKOV, B.P., doktor biol. nauk, otv. red.; ORLOV, I.I., kand.  
sel'khoz. nauk, otv. red.

[Ways for expanding the sources of resin supply in the forests  
of the Urals and Siberia] Puti rasshireniia syr'evoi bazy pod-  
sochki lesev Urala i Sibiri. Sverdlovsk, 1960. 161 p.

(MIRA 15:11)

1. Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk. Institut  
biologii. 2. Ural'skiy filial Akademii nauk SSSR (for Orlov).  
(Ural Mountain region--Turpentining)  
(Siberia--Turpentining)

SANNIKOV, S.N.; KOLESHNIKOV, B.P., doktor biol. nauk, prof., otv. red.;  
NORKIN, P.I., red. izd-va; TAMKOVA, N.F., tekhn. red.

[Natural regeneration of pine and measures for promoting it in  
pine forests of the Pyshma Valley] Estestvennoe vozobnovlenie  
sosny i mery sodeistviia emu v Pripyshminskikh borakh. Sverd-  
lovsk, Akad. nauk SSSR. Ural'skii filial, 1961, 76 p.

(MIRA 15:11)

(Pyshma Valley--Forest reproduction)

KOLESNIKOV, B.P., doktor biolog. nauk

Materials for an inventory of natural monuments that need conservation in the Urals. Okhr. prir. na Urale no.2:123-129 :61.  
(MIRA 17:7)

KOLESHNIKOV, B.P.

Outline of the vegetation of Chelyabinsk Province in relation to  
its geobotanical zoning. Trudy Il'm. gos. zap. no.8:105-129 '61.  
(MIRA 15:11)  
(Chelyabinsk Province—Phytogeography)

KOLESNIKOV, B.P.; SHARTS, A.K.

Second conference on the conservation of natural resources of  
the Urals. Okhr. prir. na Urale no.2:167-170 '61.

(MIRA 17:7)



GORCHAKOVSKIY, P.L.; KOLESNIKOV, B.P.

"Materials on higher plants of Chelyabinsk Province" by K.G. Maliutin. Reviewed by P.L. Gorchakovskii, B.P. Kolesnikov. Bot. zhur. 47 no.8:1214-1217 Ag '62. (MIRA 15:10)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.  
(Chelyabinsk Province--Botany)  
(Maliutin, K.G.)

VASIL'YEV, Nikolay Grigor'yevich; KOLESHNIKOV, Boris Pavlovich; ROZENBERG, V.A., otv.red.; SOKOLOV, D.V., red.izd-va; BOCHEVER, V.T., tekhn.red.

[Mixed needle fir and hardwood forests in the southern part of the Maritime Territory]. Chernopikhtovo-shirokolistvennye lesa Iuzhnogo Primer'ia. Moskva, Izd-vo Akad.nauk SSSR, 1962. 145 p. (Akademia nauk SSSR. Dal'nevostochnyi filial, Vladivostok. Trudy, vol. 8. Seriya botanicheskaya, vol. 8). (MIRA 1577)  
(Maritime Territory— Forests and forestry)

KOLESNIKOV, B.P., prof., doktor biolog.nauk

Protection of nature and natural resources in Poland. Okhr.priro.  
na Urale no.3:99-117 '62. (MIRA 16:6)  
(Poland—Conservation of natural resources)

YASTREBOV, Ye.V.; KOLESNIKOV, B.P.

Materials on taking stock of natural monuments in the Urals  
requiring protection. Report No.3. Okhr.prirod. na Urale no.3:  
127-132 '62. (MIRA 16:6)  
(Ural Mountains--Natural monuments)

KARTAVENKO, N.T.; KOLESNIKOV, B.P.

Speed of the disintegration of felling residues in clean  
cuttings. Trudy Inst.biol.UFAN SSSR. no.28:119-130 '62.  
(MIRA 16:1)  
(Sverdlovsk Province--Forests and forestry)

KOLESNIKOV, B.F., prof., doktor biolog.nauk

Commission on the Protection of Nature of the Ural Branch of the  
Academy of Sciences of the U.S.S.R. in 1960. Okhr.prirodna Urale  
no.3:185-189 '62. (MIRA 16:6)  
(Ural Mountains—Conservation of natural resources)

SMOLONOGOV, Ye.P.; NIKULIN, V.I.; KOLESNIKOV, B.P., prof., doktor  
biol. nauk, otv. red.; KOSYAKOV, P.G., kand. ekon. nauk,  
otv. red.; PAL'MIN, M.Z., tekhn. red.

[Natural and economic conditions of the utilization of  
forests in the southern part of the Ural Area of the Ob'  
Valley] Prirodnye i ekonomicheskie uslovia ekspluatatsii  
lesov v iuzhnoi chasti Ural'skogo Priob'ia. Sverdlovsk,  
AN SSSR, 1963. 119 p. (MIRA 16:8)  
(Ob' Valley--Forests and forestry--Economic aspects)

KOLESNIKOV, B.P.; NIKOLAYEVSKIY, V.S.

Studying and reclaiming wastelands in the Upper Silesian  
industrial region, Polish People's Republic; abstract. Okhr.  
prir.na Urale no.3:173-181 '62. (MIRA 16:6)  
(Silesia--Soil conservation)



GORCHAKOVSKIY, P.L.; KOLESNIKOV, B.P.

Scientific conference on the ecology and physiology of woody  
plants of the Urals held on March 4-6, 1963. Bot. zhur. 48  
no.8:1242-1244 Ag '63. (MIRA 16:10)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.  
(Ural Mountains—Woody plants)

ARF'YEVA, Z.N.; KOLESNIKOV, B.P.

Dynamics of ammonia and nitrate nitrogen in the forest soils of the  
trans-Ural region at high and low temperatures. Pochvovedenie  
no.3:30-45 Mr '64.  
(MIRA 17:4)

1. Institut biologii Ural'skogo filiala AN SSSR.

GORCHAKOVSKIY, P.L.; KOLESNIKOV, B.P.

Distribution of savin (*Juniperus sabina* L.) in the southern Urals.  
Bot.zhur. 49 no.10:1496-1501 0 '64. (MIRA 18:1)

1. Institut biologii Ural'skogo filiala AN SSSR, g. Sverdlovsk.

DUBOVIK, V.N., st. преподаv.; MAMIN, A.U., kand. geol.-miner. nauk, dots.; OTTO, P.I.; RUMYANTSEVA, A.Ya., kand. geogr. nauk, ispolnyayushchiy obyazannosti dots.; SEREGIN, I.A., st. inzh.; MOSKALEV, A.F.; KOLESNIKOV, B.P., prof., doktor biol. nauk, rektor; OKOROKOV, V.I., kand. biol. nauk, dots.; KLIMENKO, R.A.; STARIKOVA, L.A., assistant; SHUMILOVA, V.Ya., assistant; MAKSIMOVA, Ye.A., dots.; KIRIN, F.Ya., kand. geogr. nauk, dots.; KUZNETSOVA, A.V., red.; MATVEYEV, S.M., red.; MOROZOV, V.K., red.; RUTKOVSKIY, I.M., red.; TYAZHEL'NIKOV, Ye.M., red.

[Nature of Chelyabinsk Province] Priroda Cheliabinskoi oblasti. Cheliabinsk, Iuzhno-Ural'skoe knizhnoe izd-vo, 1964. 241 p. (MIRA 18:7)

1. Kafedra geografii Chelyabinskogo pedagogicheskogo instituta (for Dubovik, Mamin, Rumyantseva, Kirin). 2. Nachal'nik geologicheskogo otdela Chelyabinskogo geologorazvedchnogo tresta (for Otto). 3. Chelyabinskaya gidrologicheskaya stantsiya (for Seregin). 4. Nachal'nik pochvennoy partii Chelyabinskoy zemleustroitel'noy ekspeditsii (for Moskaev). 5. Institut biologii Ural'skogo filiala AN SSSR (for Kolesnikov). 6. Kafedra zoologii Chelyabinskogo pedagogicheskogo instituta (for Okorekov, Starikova, Shumilova). 7. Chelyabinskiy rybnyy trest (for Klimenko).

MODESTOV, V.K.; KOLESNIKOV, B.P.

Preparation of an air-xenon mixture for the study of the residual volume of air in the lungs. Trudy TSIU 71:51-55 '64.

(MIRA 18:6)

1. Kafedra meditsinskoy radiologii (zav.- prof. V.K. Modestov)  
TSentral'nogo instituta usovershenstvovaniya vrachey.

SHIRKOV, Nikolay Timofeyevich; KOLESHNIKOV, B.P., otr. red.

[Formation and growth of young pine and pine-birch stands in the eastern piedmont of the Southern Ural and improvement cuttings in them.] Formirovaniye i rost sosnovykh i sosnovo-berezovykh mladetskov vostochnykh predgorii Iuzhnogo Urala i puti ukhoda v nikh. Sverdlovsk, 1964. 94 p. (Akademiya nauk SSSR. Ural'skii filial, Sverdlovsk. Institut biologii. Trudy, no. 40)

(MIRA 18:6)

KOLESNIKOV, B.P.

Dendrophysiology and silviculture. Trudy Inst. biol. UFAN  
SSSR no. 43:303-306 '65 (MIRA 19:1)

1. Institut biologii Ural'skogo filiala AN SSSR.

KOLESNIKOV, B.P.

Determination of residual lung volume using radioactive isotopes of xenon. Med. rad. 8 no.5:59-62 My '63.

(MIRA 17:5)

1. Iz kafedry meditsinskoy radiologii (zav. -- prof. V.K. Modestov) Tsentral'nogo instituta usovershenstvovaniya vrachey.



PROKAYEV, V.I.; KOLESNIKOV, B.P.

Correlation between physico-geographical and specialized  
natural regionalization. Izv. Vses. geog. ob-va 95 no.6:  
486-495 N-D '63. (MIRA 17:1)

KOLESNIKOV, B.P.

Genetic classification of forest types and its application to the Urals.  
Trudy Inst. biol. UF AN SSSR no.27:47-59 '61. (MIRA 17:2)

KOLESNIKOV, B.P., doktor biolog. nauk; GVOZDEV, V.S., kand. tekhn. nauk;  
SHARTS, A.K.; TARCHEVSKIY, V.V., kand. biolog. nauk

Problems of the conservation of nature and the rational use of  
Kama Valley natural resources. Okhr. prir. na Urale no.2:5-16  
'61. (MIRA 17:7)

1. Komissiya po okhrane prirody Ural'skogo filiala AN SSSR (for Kolesnikov). 2. Komissiya po okhrane vodoyemov Ural'skogo filiala AN SSSR (for Gvozdev). 3. Permskoye oblastnoye otdeleniye Vserossiyskogo obshchestva sodeystviya okhrane prirody i ozele-neniyu naselennykh punktov (for Sharts). 4. Sverdlovskoye oblastnoye otdeleniye Vserossiyskogo obshchestva sodeystviya okh-rane prirody i ozeleneniyu naselennykh punktov (for Tarchevskiy).

KOLESHNIKOV, B.V., inzh.

Improve the design of Khalatian-type elevators. Bezop.truda v  
prom. 2 no.10:34 0 '58. (MIRA 11:11)  
(Oil fields—Equipment and supplies)

KOLESNIKOV, B.V., starshiy inzh.; PERTSOV, A.Yu., starshiy inzh.

Intermittent exploitation of strippers. Neftianik 5 no.3:  
13-15 Mr '60. (MIRA 14:9)

1. Promysel No.3 neftepromyslovogo upravleniya Abinneft' (for Kolesnikov).
  2. Normativo-issledovatel'skaya stantsiya upravleniya Krasnodarneft' (for Pertsov).
- (Oil fields--Production methods)

ACC NR: AP6013508

UR/0120/66/000/002/0099/0101

AUTHOR: Kolchin, A.M.; Kolesnikov, B.Ya.

ORG: Chemistry Department, MGU (Khimicheskiy fakultet MGU)

TITLE: Mass-spectrometric ion detector of the scintillation type

SOURCE: Pribery i tekhnika eksperimenta, no 2, 1966, 99-101

TOPIC TAGS: ion, ion beam, ion detector, scintillation ion detector, mass spectrometer,  
mass spectrometer sensor, plastic seal, mass spectroscopy

ABSTRACT: The paper describes a very sensitive detector of ions for use in the mass spectrometer MS-4. It fills the need for the registration of very weak ion beams, equivalent to ion currents of  $10^{-15}$  -  $10^{-19}$  amps. The detector is based upon the scintillation phenomenon, aided by an ion/electron converter. Sensitivities three orders of magnitude higher than those of the usual electrometric concept have been obtained. The design permits quick switching from the scintillation to the electrometric mode. This feature is useful for calibration and is necessary for measuring ion currents higher than  $10^{-13}$  amps. The conceptual schematic of the detector is shown in Fig. 1. Here, 1 is the final entrance slit of the mass spectrometer. If the emitter of secondary electrons, 2, is grounded, the ion beam proceeds along a line trajectory to enter the Faraday chamber 4 of the conventional registration terminal. With minus 14 kv

Card 1/2

UDC: 621.384.8

ACC NR: AP6013508

at the emitter, the ions are accelerated toward it, knocking off secondary electrons.

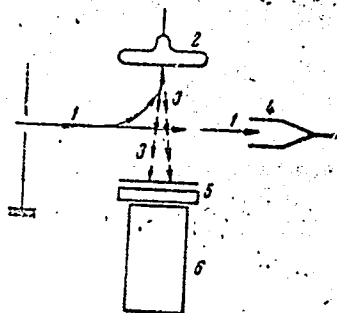


Fig. 1. Conceptual schematic of the scintillation type ion detector.

The same field accelerates the electrons toward the (grounded) fluorescent film, 3, deposited on the glass plate, 5, in the field of view of the photoelectric multiplier 6, which delivers the registration signal. The system is intrinsically stable to the extent that fluctuation sources are essentially those of the power supplies. The minimum observed registered signal was  $2 \cdot 10^{-18}$  amps. As an ion counter, the detector is linear from several ion/sec to  $10^5$  ion/sec. The discrimination level is adjusted so that at a control loss of over 1%, the background would not exceed 10 - 15 pulses per second. The developed design, compatible as an attachment to the MS-4 mass spectrometer, is described in detail. Vacuum seals were made of Ftoroplast-4 (Teflon) and showed a reliable vacuum level of  $10^{-7}$  torr as well as satisfactory insulation. Authors thank G.M Pan-figures.

chenkov and L.N. Gorokhov for their constant interest in this work. Orig. art. has 2

SUB CODE: 20 / SUBM DATE: 20Jan65 / ORIG REF: 005 / OTH REF: 004

Cgd 2/2

KOLESNIKOV, Ch.M.

Stratigraphic significance of fossil Charophyta. Bot.zhur.  
45 no.1:104-109 Ja '60. (MIRA 13:5)

1. Laboratoriya geologii uglya Akademii nauk SSSR, Leningrad.  
(Algae, Fossil) (Paleobotany, Stratigraphic)



KOLESNIKOV, Ch.M.; SPASSKAYA, I.S.; MARKOVICH, Ye.M.; FADDEYEVA, Z.I.

Paleontological characteristics of lower Mesozoic sediments in the  
southern Magnitogorsk synclinorium. Trudy Lab.geol.ugl. no.12:78-  
82 '61. (MIRA 14:8)

(Ural Mountains—Coal geology)

KOLESNIKOV, Ch.M.

Stratigraphy of the Mesozoic continental sediments of the Buryat  
A.S.S.R. (western Transbaikalia). Izv. AN SSSR. Ser. geol. 26  
no. 4:59-73 Ap '61. (MIRA 14:5)

1. Laboratoriya geologii uglya AN SSSR, Leningrad.  
(Buryat-Mongolia—Geology, Stratigraphic)

VOLKOVA, I.B.; NALIVKIN, D.V.; SLATVINSKAYA, Ye.A.; BOGOMAZOV, V.M.;  
 GAVRILOVA, O.I.; GUREVICH, A.B.; MUDROV, A.M.; NIKOL'SKIY, V.M.;  
 OSHURKOVA, M.V.; PETRENKO, A.A.; POGREBITSKIY, Ye.O.; RITENBERG,  
 M.I.; BOCHKOVSKIY, F.A.; KIM, N.G.; LUSHCHIKHIN, G.M.; LYUBER,  
 A.A.; MAKEDONTSOV, A.V.; SENDERZON, E.M.; SINITSYN, V.M.; SHORIN,  
 V.P.; BELYANKIN, L.F.; VAL'TS, I.E.; VLASOV, V.M.; ISHINA, T.A.;  
 KONIVETS, V.I.; MARKOVICH, Ye.M.; MOKRINSKIY, V.V.; PROSVIRYAKOVA,  
 Z.P.; RADCHENKO, O.A.; SEMERIKOV, A.A.; FADDEYEVA, Z.I.; BUTOVA,  
 Ye.P.; VERBITSKAYA, Z.I.; DZENS-LITOVSKAYA, O.A.; DUBAR', G.P.;  
 IVANOV, N.V.; KARPOV, N.F.; KOLESNIKOV, Ch.M.; NEFED'YEV, L.P.;  
 POPOV, G.G.; SHTEMPEL', B.M.; KIRYUKOV, V.V.; LAVROV, V.V.;  
 SAL'NIKOV, B.A.; MONAKHOVA, L.P.[deceased]; MURATOV, M.V.;  
 GORSKIY, I.I., glav. red.; GUSEV, A.I., red.; MOLCHANOV, I.I.,  
 red.; TYZHNOV, A.V., red.; SHABAROV, N.V., red.; YAVORSKIY, V.I.,  
 red.; REYKHERT, L.A., red.izd-va; ZAMARAYEVA, R.A., tekhn. red

[Atlas of maps of coal deposits of the U.S.S.R.] Atlas kart ugle-  
 nakopleniya na territorii SSSR. Glav. red. I.I.Gorskiy. Zam.  
 glav. red. V.V.Mokrinskiy. Chleny red. kollegii: F.A.Bochkovskiy  
 i dr. Moskva, Izd-vo Akad. nauk SSSR, 1962. 17 p.

(MIRA 16:3)

1. Akademiya nauk SSSR. Laboratoriya geologii uglya. 2. Chlen-  
 korrespondent Akademii nauk SSSR (for Muratov).

(Coal geology--Maps)

KOLESNIKOV, Ch.M.

Stratigraphy of Mesozoic continental sediments in the Vitim Plateau.  
Sov.geol. 6 no.2:82-90 F '63. (MIRA 16:4)

1. Laboratoriya geologii uglia AN SSSR.  
(Vitim Plateau—Geology, Stratigraphic)

KARPOV, N.F.; KOLESNIKOV, Ch.M.; KONIVETS, V.I.; BUTOVA, Ye.P.;  
NEFED'YEVA, L.P.; POMEYANTSEVA, A.A.

History of Upper Mesozoic coal accumulations in the Buryat  
A.S.S.R. Trudy Lab. geol. ugl. no.18:3-218 '63 (MIRA 18:1)

KOLESNIKOV, CH.M.

Stratigraphy of the continental Mesozoic of Transbaikalia.  
Trudy Lim. inst. 4:5-138 '64.

(MIRA 17:11)

KOLESNIKOV, D. V.

Kolesnikov, D. V. "Wurtembergs of the Kzyl-Oktyabr' breeding sovkhov," Trudy Kirgiz. nauch.-issled. in-ta zhivotnovodstva, Issue 9, 1948, p. 64-88 -- Bibliog: 5 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 13, 1949)

GVOZDYAK, P.I. [Hvozdiak, P.I.]; KOLESNIKOV, D.G. [Kolesnykov, D.H.]

Rate of the fermentation hydrolysis of cardiac glycosides  
as dependent on the structure of aglycons. Dop. AN URSSR  
no.3:352-354 '64. (MIRA 17:5)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut. Predstavleno akademikom AN UkrSSR A.I. Kiprianovym.



KOLESNIKOV, D.G.; PROKOPENKO, A.P.; CHERNOBAY, V.T.

Obtaining of ajmaline from the roots of Rauwolfia serpentina  
Benth. Med. promyshl. SSSR. 17 no.8:30-32 Ag'63 (MIRA 17:2)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

LITVINENKO, V.I.; MAKSYUTINA - N.P.; KOLESNIKOV, D.G.

Flavonoid compounds of Glycyrrhiza glabra L. Part 1: Flavonoid  
L-1. Zhur.ob.khim. 33 no.12:4014-4018 D '63. (MIRA 17:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

1ST AND 2ND ORDERS												3RD AND 4TH ORDERS											
PROCESSES AND PROPERTIES MODE																							
<p>Preparation of saligenin. I. M. Raibart and D. H. Kolesnikov. <i>Zhur. 1933, No. 1, 27-8.</i>—Phenol (1), formalin (1), CaO (0.5) and alc. (2.5 parts) react until HCHO odor is gone; the mixt. is acidified with AcOH, extd. with ether, dried, distd. off and recrystd. The crystals of <math>\alpha</math>-hydroxybenzyl alc. are finally crystd. from H<sub>2</sub>O. I. Namsvich</p>																							
<p>ASH-51A METALLURGICAL LITERATURE CLASSIFICATION</p>																							
REGION SYMBOL												REGION SYMBOL											
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KOLESHNIKOV D.G.																																																			
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<p>Alkaloids of <i>Podium</i> acer L. D. G. Kolesnikov and A. G. Shvartsman. <i>J. Gen. Chem.</i> (U.S.S.R.) 9, 2150 (1939).—Extn. with alc. of 10 kg. of dry, powd. <i>S. acer</i>, family <i>Cranulaceae</i>, gave 20 g. (0.2%) of crude resins. A soln. of the resins in a little <math>C_2H_5</math> was treated with 20 parts by wt. of petr. ether and, after settling, was filtered from the ppt. The filtrate sepd. 0.000% (on the wt. of dry plant) of cryst. alkaloid, for which the name <i>podiumine</i> (I) is suggested. I, <math>C_{11}H_{13}NO_2</math> (I), m. 86°, <math>[α]_D^{25} -30.75^\circ</math>, is sol. in <math>H_2O</math>, <math>MeOH</math>, <math>Me_2CO</math> and <math>CHCl_3</math>. It failed to form cryst. <math>HCl</math> and picrate salts. I contains 1 nonphenolic <math>OH</math> group with the N combined with a Me group. The resulting data suggest the formula <math>C_{11}H_{13}(NMe)O(OH)(I)</math>. Chas. Blanc</p>																																																			
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SUBJECT INDEX																										ILLUSTRATION																									

KOLESNIKOV, D.G.; TROPP, M.Ya.

Cardiac glycosides from root of Helleborus. Med. promyshl. SSSR no.5:  
17-20 Sept-Oct 1952.  
(GML 23:4)

1. Khar'kov Scientific-Research Pharmaceutic Chemical Institute.

*Khar'kov Sci. Res. Chem. Inst. - Pharm. Inst.*

TROPP, M.Ya.; SHOSTENKO, Yu.V.; KOLESNIKOV, D.G.

Spectrographic investigation of cardiac glycosides from the hellebore. Zhur.  
ob.khim. 23 no.8:1421-1425 Ag '53. (MLBA 6:8)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.  
(GA 47 no.22:12759 '53) (Glycosides) (Hellebore)

KOLESNIKOV, D. G.

Dissertation: "Glycosides of the Purple Foxglove (*Digitalis purpurea*).<sup>1</sup>" Cand Chem Sci, Khar'kov State U, Khar'kov, 1954. (Referativnyy Zhurnal--Khimiya, Moscow, No 12, Jan 54)

SO: SUM 318, 23 Dec 1954

**"APPROVED FOR RELEASE: 09/17/2001**

**CIA-RDP86-00513R000723810004-6**

**APPROVED FOR RELEASE: 09/17/2001**

**CIA-RDP86-00513R000723810004-6"**



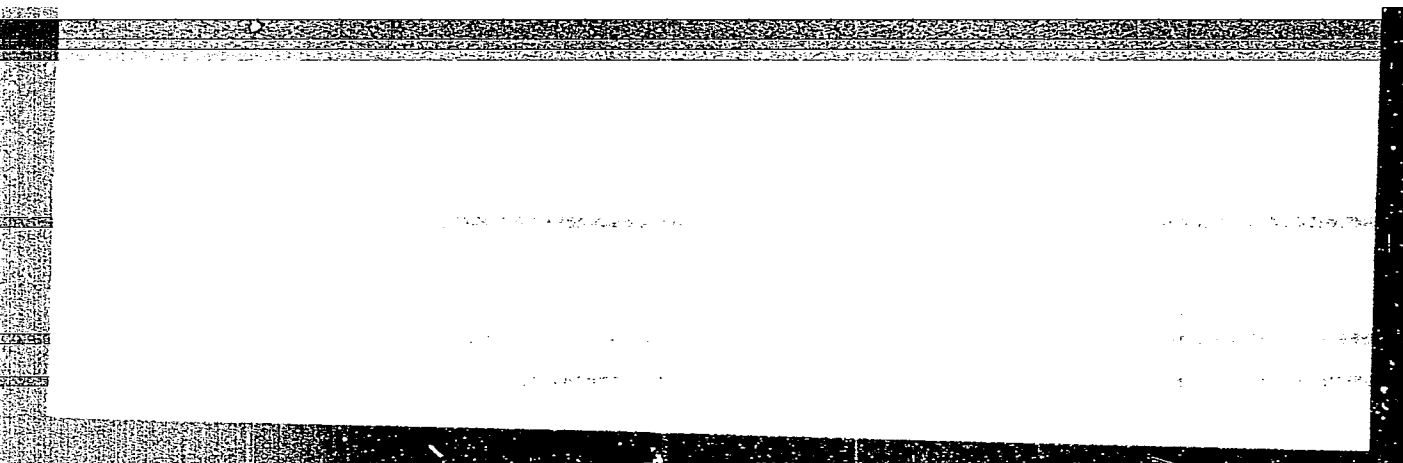
U S S R .

✓ New cardiac glucosides from plants of the mustard family.  
N. P. Makaryushina and D. G. Kobzareva, *Tr. Khim. i Farm. Inst.*, 1964, 19, 123.  
(1934). -- From *Syrnium oleraceum* (mustard) was isolated graphically an active substance which has a weak diuretic activity on rats at a dose of 0.01 g/kg. The substance, which almost gave 2 glucosides, contained by chromatography an aldehyde B (activity  $10^{-4}$  g/kg) and a substance which gave AlCh and did not give AlCh. The substance was not excreted into milk.  
The new glucosides were isolated from the leaves of *Syrnium oleraceum*.  
The substance, which almost gave 2 glucosides, gives a yellow color in the reaction with  $FeCl_3$ .  
Kibani test, and emulsion test, and other tests.  
A. m. 170-171° (decolor).  
The substance is soluble in water, alcohol, and ether.

... and contains 65.2% ...  
... 170-1 ... gives a red-brown color  
... in  $H_2SO_4$  and a blue Kellie-Kimball test (not analyzed).  
... allylside B, m. 187-188, ...  
... low-orange  $H_2SO_4$ , and a blue Kellie-Kimball test (not  
... analyzed. The results indicate the presence of a disac-  
... sugar in these glucosides, in contrast to the products de-  
... scribed by Schwarz, *et al.* (C. 1, 42, 1964). ...  
... of genus of syringotoxin and alloxan A ...  
... phanthidine (0.24) ...  
... allylside A has 1.25, ...  
... toxin 0.17. Alloxan B appears to be a ...  
... close to streptococcus, the other ...

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CIA-RDP86-00513R000723810004-6



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CIA-RDP86-00513R000723810004-6"

USSR / Pharmacology, Toxicology. Cardiovascular Drugs. V

Abs Jour: Ref Zhur-Biol., No 9, 1958, 42380.

Author : ~~Kolesnikov, D. G.~~; Maksyutina, N. P.

Inst : NOT Given.

Title : The Preparation of Convalloside from the Seeds of  
Convallaria.

Orig Pub: Med. Prom-st SSSR, 1957, No 6, 38-40.

Abstract: Convalloside, a highly active crystalline cardiac glycoside, was extracted from the seeds of convallaria. According to pharmacological and clinical data, its action is close to strophanthin.

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000723810004-6"

*Khavkov Sci Res Chem-Pharm. Inst.*

Card 1/1

RELAS 11/20/01 D.G.  
CHERNOBAY, V.T.: KOLESNIKOV, D.G.

Cardiac glycosides from *Lonchocarpus fruticosus*; leaf glycosides.  
Report No.2. V.T. Chernobai, D.G. Kolesnikov. Med. prom. 11 no.3:29-31  
Mr '57 (MIRA 10:4)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.  
(CARDIAC GLYCOSIDES)

*Kolesnikov, D.G.*  
KOLESHNIKOV, D.G.; MAKSYUTINA, N.P.

Cardiac glycosides from the seeds of *Cheiranthus allioni*. Med.prom.  
11 no.9:14-18 S '57. (MIRA 10:12)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.  
(CARDIAC GLYCOSIDES) (CHEIRANTHUS)

Kolesnikov, D. G.

KOLESNIKOV, D.G.; MAKSYUTINA, N.P.

Cardiac glycosides from the leaves of the plains erysimum  
(Cheiranthus allionii Hofm.) Med.prom. 11 no.12:27-30 D '57.  
(MIRA 11:2)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevti-  
cheskiy institut.  
(CARDIAN GLYCOSIDES) (ERYSIMUM)

KOLSHNIKOV, D.G., MAKSYUTINA, N.P., BEZRUK, P.I.

Spasmolytic substances from parsley seeds. Apt.delo 7 no.4:27-30  
Jl-Ag'58 (MIRA 11:8)

(ANTISPASMODICS)  
(PARSLEY)



KOLESHNIKOV, D.G.

ANGARSKAYA, M.A.; GENDENSHTEYN, E.I.; KOLESHNIKOV, D.G.; SOKOLOVA, V.Ye.;  
KHODZHAY, Ya.I.

Diagitorin and gitorin, new Russian preparations from digitalis.  
Med.prom. 12 no.2:58-59 F '58. (MIRA 11:3)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.  
(DIGITALIS)

KOLESHNIKOV, D. G.

TROPP, M.Ya.; SHILOVA, N.G.; KOLESHNIKOV, D.G.

Studying the stability of injections made from ergot. Med.prom.SSSR  
12 no.5:19-25 My '58. (MIRA 11:5)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.  
(ERGOT)

MAKSYUTINA, N.P., KOLESNIKOV, D.G.

Chromatographic method for obtaining pastinacin. Med.prom. 12  
no.6:12-16 Ja '58 (MIRA 11:7)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(PARSNIP)

(EXTRACTION (CHEMISTRY))

AUTHORS: Konev, F.A., Kolesnikov, N. A., Kolesnikov, D.G. 32-3-49/52

TITLE: The Automation of the Filtering Process of Injection Solutions  
(Avtomatizatsiya protsessa fil'trovaniya in'yektsionnykh rastverov)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 3, pp. 375-375 (USSR)

ABSTRACT: For the continuous and uniform feeding of suspensions onto the filter when filtering injection solutions an automatic system was developed. In principle the scheme consists of four coils, two selenium rectifiers and two relays which form part of a common circuit, which, by the rising or falling motion of an iron core (which is enclosed in a glass ampule and generates induction current) opens and closes an electromagnetic three-way faucet. The latter is mounted on the container of the liquid, which, besides, is connected with the vacuum as well as with the spare container for the liquid and with the filter. By the interaction between the vacuum and the three-way faucet connected with the atmosphere, which is connected with the level of the liquid (by a float), the container is always filled up again as soon as the level is reduced to a certain height, so that in this way a continuous feeding of

Card 1/2

The Automation of the Filtering Process of  
Injection Solutions

32-3-49/52

the filter is attained. There is 1 figure, and 1 reference, 1 of  
which is Slavic.

ASSOCIATION: Scientific Research Institute for Chemical Pharmaceutics, Khar'kov  
(Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskey  
institut)

AVAILABLE: Library of Congress

1. Injection solutions-Filtering processes

Card 2/2

USSR / Pharmacology, Toxicology. Cardio-vascular Agents. V

Abs Jour: Ref Zhur-Biol, No 18, 1958, 85152.

Author : Angarskaya, M. A., Khadzhay, Ya. I., Kolesnikov, D. G., Prokopenko, A. P., Dubinskiy, A. A., Shubov, M. I.

Inst : Not given.

Title : Daukarin - a New Soviet Preparation for the Treatment of Coronary Insufficiency.

Orig Pub: Klinichn. meditsina, 1958, Vol 36, No 1, 29-33.

Abstract: In experiments on isolated rabbit and cat hearts, daukarin (D) in a concentration of 1:10<sup>6</sup> - 1:50,000 increased the coronary blood flow by 70%-300%. Under conditions in which coronary vasospasm was experimentally induced (BaCl<sub>2</sub>, carbocholine, pipcitrin), D did not change the amplitude of the cardiac

Card 1/2 *Lab. Pharmacology & Phytochem., Khar'kov Sci Res  
Chem Pharm. Inst.*

USSR / Pharmacology, Toxicology. Cardio-vascular  
Agents.

V

Abs Jour: Ref Zhur-Biol., No 18, 1958, 85152.

Abstract: contractions or the level of the blood pressure. D therapy was administered to 88 patients aged 24 to 74 years suffering with frequent attacks of angina pectoris. A course of treatment lasted 2-3 weeks, with doses of 2 tablets taken 3-4 times a day (60-80 mg). The best effect was obtained in cases in which there was a combination of coronary insufficiency and hypertension, and the least in cases of cardiac neurosis. The prolonged use of the preparation in ambulatory patients prevents the appearance of angina pectoris and enables the patients to work. -- O. K. Shiyataya.

Card 2/2

37

PROKOZENKO, A.P.; KOLMSHIKOV, D.G.

Adsorption method of isolating khellin. Med.prom. 13 no.1:  
28-32 Ja '59. (MIRA 12:10)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut.

(KHELLIN)



KOLESNIKOV, D.G.; CHERNOBAY, V.T.; PROKOPENKO, A.P.; BOZHKO, H.G.;  
SHORKIN, L.V.

The alkaloid reserpine from the roots of Rauwolfia serpentina  
Benth. Med.prom. 13 no.4:40-43 Ap '59. (MIRA 12:6)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevti-  
cheskiy institut.

(RESERPINE)

CHERNOBAY, V.T.; KOLESNIKOV, D.G.

Coumarines of *Seseli campestre* Bess. Ukr.khim.zhur. 25 no.1:111-113  
'59. (MIRA 12:4)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(Coumarine)

17(3)

AUTHORS:

Makayutina, N. P., Kolesnikov, D. G.

SOV/20-124-6-42/55

TITLE:

Furocoumarins in the Fruits of *Pastinaca Sativa* L.  
(Furokumarinny plodov pasternaka posevnogo *Pastinaca sativa* L.)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 124, Nr 6, pp 1335-1338  
(USSR)

ABSTRACT:

The application field of *Pastinaca* and *P. opopanax* are presented (Refs 1-8). The authors investigated the spasmolytic effect of the substances contained in the seed of *Pastinaca* (of the variety Student from the Krasnodar and Stavropol' area) by chromatographic separation (Ref 9). They could isolate 7 crystalline substances. One of these substances called pastinazine by the authors exerted a pronounced spasmolytic effect and caused a vasodilatation in the heart, liver, kidneys and other internal organs in concentrations of  $1 \cdot 10^{-7}$  (Ref 10). It can be used in the treatment of some kinds of stenocardia (clinical investigations were performed by M. I. Shubov, Khar'kov, M. I. Zolotova-Kostomarova, Moscow, and S. N. Simel'nikov, Khar'kov). Some other substances obtained from *Pastinaca* seed exerted either a shorter

Card 1/3

Furocoumarins in the Fruits of *Pastinaca Sativa* L.

SOV/20-124-6-42/55

(substances (1), (3), (5) and (6)) or an opposite effect (substances (2) and (8)). All 7 substances form the furan-dicarboxylic acid owing to oxidation with  $H_2O_2$  and contain a coumarin lactone the ring of which opens in alkaline medium and closes again in an acid one. These data (in addition to other physicochemical ones) permit the conclusion that the substances under review belong to the group of natural furocoumarins (Table 1). (1), (2), (5) and (6) are identical with the known furocoumarins: imperatorin (II), bergaptene (III), isopimpinellin (IV) and xanthotoxol (V), respectively. This was confirmed by the production of several derivatives. The remaining substances: Pastinazine (3) and (7) could not be identified with any of the furocoumarins known so far. It may be seen from table 1 that they are very similar to substance (2) and, furthermore, they have identical  $R_f$  values in the chromatograms of 8 solvents investigated.

Card 2/3

Furocoumarins in the Fruits of *Pastinaca Sativa* L.

SOV/20-124-6-42/55

Their biological properties, however, are opposite.  
An experimental section presents the usual data. There are  
1 table and 12 references, 1 of which is Soviet.

ASSOCIATION: Khar'kovskiy nauchno-issledovatel'skiy khimiko-  
farmatsevticheskiy institut (Khar'kov Scientific Chemical  
pharmaceutical Research Institute)

PRESENTED: November 3, 1958, by A. I. Oparin, Academician

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Card 3/3

5(3), 17(12)

AUTHORS:

Chernobay, V. T., Kolesnikov, D. G.

SOV/20-127-3-30/71

TITLE:

Olitorin, a New Cardiant Glycoside of Corchorus Olitorius L.

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 3, pp 586-588 (USSR)

ABSTRACT:

The underbush mentioned in the title grows wild in tropical countries and is cultivated in the USSR to a large extent as a plant for technical fibres (Ref 1). After a survey of publications on substances acting upon the heart (Refs 1-8), the authors give the results of isolating corchorus. Its aglucone - strophanthidin and its sugar - the bovinosis, have properties which correspond to published data. The non-fermented seeds mainly occur in two glycosides soluble in water. In the paper chromatogram they were denoted as "Ye" and "D" patches; smaller amounts of substances were found which were denoted as patches "S" (Corchorosid A) and "V" (Strophanthidin). They apparently develop by the hydrolysis of glycosides soluble in water during the treatment of the extract (Fig 1). The authors suggest a formula (I) for the sugar part of olitorin, and arrived at the following conclusions:

Card 1/2

Olitorin, a New Cardiant Glycoside of  
Corchorus Olitorius L.

SOV/20-127-3-30/TI

1. the new cardiant glycoside isolated from the mentioned species of corchorus, is a strophanthidol bovinoside. It is called olitorin. 2. the main glycosides of the mentioned corchorus are: olitorisid, olitorin and corchorosid A, while the aglucones are : strophanthidin and strophanthidol. There are 1 table and 8 references, 3 of which are Soviet.

ASSOCIATION: Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy institut (Khar'kov Scientific Research Institute for Chemical Pharmacy)

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Card 2/2

CHERNOBAY, V.T.; KOLESHNIKOV, D.G.

Cardiac glycosides from the seeds of *Corchorus olitorus* L. Med.  
prom. 14 no.1:18-22 Ja '60. (MIRA 13:5)

I. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(CARDIAC GLYCOSIDES)



KOLESHNIKOV, D.G.; BUGRIM, N.A.

Cardiac glycosides of *Adonis vernalis*. Med.prom. 14 no.2:19-21  
F '60. (MIRA 12:4)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(CARDIAC GLYCOSIDES)

(ADONIS)

KOLESNIKOV, D.G.; BUGRIM, N.A.

Cardiac glycosides of *Adonis vernalis*. Report No.2. Med. prom. 14  
no.7:27-30 Je '60. (MIRA 13:8)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(ADONIS)

TROPP, M.Ya.; KOLESNIKOV, D.G.

Convallatoxin from convallozid. Med.prom. 14 no.11:9-12 N '60.  
(MIRA.13:11)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.

(CONVALLATOXIN)

GVOZDYAK, P.I.; KOMISSARENKO, N.F.; KOLESNIKOV, D.G.

Production of convallatoxin from convallozid by means of enzymes  
from the fungus *Aspergillus oryzae*. Med.prom. SSSR 14, no.12:12-15  
D '60. (MIRA 13:12)

1. Khar'kovskiy nauchno-issledovatel'skiy khimiko-farmatsevticheskiy  
institut.  
(CONVALLATOXIN) (ASPERGILLUS)